

Claims

1        1. A cell culture medium comprising recombinant  
2        human alpha-fetoprotein or a cell-stimulating fragment or  
3        analog thereof.

1        2. The medium of claim 1, wherein said recombinant  
2        human alpha-fetoprotein is produced in a prokaryotic cell  
3        and is unglycosylated.

1        3. The media of claim 1, wherein said prokaryotic  
2        cell is E. coli.

1        4. A method of cell culture, said method  
2        comprising (a) providing the culture medium of claim 1; (b)  
3        providing a cell; (c) and growing said cell in said medium,  
4        wherein said cell proliferates, and is maintained.

1        5. The method of claim 4, wherein said cell is a  
2        mammalian cell.

1        6. The method of claim 5, wherein said cell is a  
2        bone marrow cell.

1        7. The method of claim 6, wherein said bone marrow  
2        cell is a T cells.

1        8. The method of claim 6, wherein said bone marrow  
2        cell is a natural killer cell.

1        9. The method of claim 6, wherein said bone marrow  
2        cell is a lymphocyte.

1           10. The method of claim 5, wherein said cell is a  
2 hybridoma.

1           11. The method of claim 4 wherein said method  
2 involves ex vivo cell culture.

1           12. A method for inhibiting myelotoxicity in a  
2 mammal comprising administering to said mammal a  
3 therapeutically effective amount of recombinant human alpha-  
4 fetoprotein or a myelotoxic-inhibiting analog or fragment  
5 thereof.

1           13. The method of claim 12, wherein said mammal is  
2 a human patient.

1           14. The method of claim 13, wherein said  
2 recombinant human alpha-fetoprotein is produced in a  
3 prokaryotic cell and is unglycosylated.

1           15. The method of claim 14, wherein said  
2 prokaryotic cell is E. coli.

1           16. A method of inhibiting suppression of bone  
2 marrow cell proliferation in a mammal, said method  
3 comprising administering to said mammal an effective amount  
4 of recombinant alpha-fetoprotein or an anti-suppressive  
5 fragment or analog thereof.

1           17. The method of claim 16, wherein said  
2 recombinant human alpha-fetoprotein is produced in a  
3 prokaryotic cell and is unglycosylated.

1           18. The method of claim 17, wherein said  
2 prokaryotic cell is E. coli.

1           19. A method of promoting bone marrow cell  
2 proliferation in a mammal, said method comprising  
3 administering to said mammal an effective amount of  
4 recombinant human alpha-fetoprotein or a cell-stimulating  
5 fragment or analog thereof.

1           20. The method of claim 19, wherein said  
2 recombinant human alpha-fetoprotein is produced in a  
3 prokaryotic cell and is unglycosylated.

1           21. The method of claim 20, wherein said  
2 prokaryotic cell is E. coli.

1           22. A method of preventing bone marrow cell  
2 transplantation rejection in a mammal, said method  
3 comprising administering to said mammal an effective amount  
4 of recombinant human alpha-fetoprotein or an anti-rejection  
5 fragment or analog thereof.

1           23. The method of claim 22, wherein said  
2 recombinant human alpha-fetoprotein is produced in a  
3 prokaryotic cell and is unglycosylated.

1           24. The method of claim 23, wherein said  
2 prokaryotic cell is E. coli.

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RECOMBINANT HUMAN ALPHA-FETOPROTEIN  
AS A CELL PROLIFERATIVE AGENT

~~Disclosed is a cell culture medium including recombinant human alpha-fetoprotein or a cell-stimulating fragment or analog thereof.~~

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